

DATE 0013Z 20 NOV 62

SECRET

ROUTING		
1	2	7-1
2	4	0, P
3	5	CD
	6	RDR RB

TO : DIRECTOR

FROM: [REDACTED]
25X1A

ACTION: OSA (1-2-3-4-5-6-7-8-9-10)

INFO : S/C (11)

ROUTINE

25X1A TOR: 0130Z 20 NOV 62

25X1A

IN 56269

TO [REDACTED]

INFO [REDACTED]

CITE [REDACTED] 4934

OXCART

25X1A

REF ECP 3559-13-1

25X1A ATTN [REDACTED]

SUBJECT HEADING DEVICE AND PROJECTOR ADDITION TO DRIFTSIGHT

25X1A 1. DEMONSTRATION OF FUNCTIONAL MOCKUP OF HEADING DEVICE AND PROJECTOR AT [REDACTED] ON NOVEMBER 15 INDICATED THAT THE DESIGN IS FUNCTIONALLY SATISFACTORY AND COMPATIBLE WITH OTHER INSTALLATIONS. REF \$54,000. WE RECOMMEND THAT WE PROCEED IMMEDIATELY AND ISSUE A PURCHASE ORDER TO BAIRD FOR THESE ITEMS IN ORDER TO HAVE THEM INSTALLED AND OPERATING WHEN REQUIRED. FIRST TWO OPERATIONAL ASSEMBLIES DUE JANUARY 15.

2. FOR THE DRIFTSIGHTS WE WILL REQUIRE FIFTEEN INSTALLATIONS PLUS THREE SPARE PROJECTORS. IN ADDITION WE WILL HAVE INSTALLATION COSTS. AN ECP FOR THESE COSTS WILL BE SUBMITTED. BUDGETARY PRICE \$324,000.

3. A GROUND SUPPORT PROPOSAL WAS MADE WHICH APPEARS REASONABLE FOR OPERATIONS. WE WOULD RECOMMEND ACCEPTING THIS

SECRET

GROUP 1
Excluded from automatic
downgrading and
declassification

S E C R E T

25X1A

[REDACTED] 934 (IN 56269)

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PROPOSAL ALSO. BUDGETARY PRICE FOR HARDWARE IS \$41,000. WE
WILL INCLUDE IN OUR ECP.

TOTAL BUDGETARY PRICE

[REDACTED]

25X1A

ADDITIONAL FUNDS MAY BE REQUIRED DEPENDING ON CHOICE OF FILM
DESTRUCT.

4. PROJECTOR CONTROLS MUST BE MINIMIZED.

A. ONE SWITCH FOR FILM FORWARD-OFF-REVERSE.

B. ONE SWITCH - RHEOSTAT FOR PROJECTOR LIGHT ON AND DIMMER.

C. ONE PUSH-PULL CONTROL FOR THREE POSITION MIRROR.

5. WE WILL CHECK MISSION VS UNAVAILABLE TIMES AND DATES
FOR HEADING READINGS FROM THE DEVICE.

6. UNRESOLVED PROBLEM AT THIS TIME IS METHOD OF PROJECTOR
FILM DESTRUCTION. FOLLOWING METHODS BEING INVESTIGATED.

25X1A A. USE OF NITRATE FILM TO FACILITATE IGNITING. AVAILABLE
FROM JAPANESE FUJI PROCESS. [REDACTED] TO OBTAIN.

B. EXOTHERMIC MEANS BY USE OF TUBE BRAZING CHEMICALS.
WE WILL OBTAIN.

C. THERMITE PROCESS. BAIRD TO OBTAIN.

D. ACID BATH TO DISSOLVE EMULSION, BAIRD TO INVESTIGATE

S E C R E T

S E C R E T

25X1A

██████████ 4934 (IN 56269)

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25X1A

IN CONJUNCTION WITH ██████████

1. RUN FILM BACK AND FORTH THRU ACID.
2. PROVIDE STORAGE CAN PERMITTING FILM TO EXPAND FOR ACID TREATMENT.
3. USE ACID WICK WHICH DESTROYS FILM AS USED.
4. RESTRICTS BACKWARD USE OF FILM.
5. BAIRD TO ENLARGE EXIT PUPIL ON PROJECTOR MODE AND ALSO TRY TO USE GROUND GLASS FOR THIS MODE IN ORDER TO ELIMINATE RESTRICTION ON PILOT'S EYE POSITION.
6. A REFLEX CAMERA MUST BE CONSIDERED IN PLACE OF THE RACK-OVER CAMERA AND VIEWFINDER PROPOSED FOR THE GROUND SUPPORT EQUIPMENT.
7. FUNCTIONAL MOCKUP PROJECTOR TO BE HERE DECEMBER 15 FOR INSTALLATION AND FLIGHT EVALUATION ON 124. PERHAPS AREA SHOULD MAKE SAMPLE FILMS TO PROJECT AT THAT TIME.

END OF MESSAGE